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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/991,296	10/22/2001	Koji Uchiyama	MC-3	3836

7590

04/07/2005

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EXAMINER

PHAM, TUAN

ART UNIT	PAPER NUMBER
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2643

DATE MAILED: 04/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/991,296	UCHIYAMA, KOJI	
	Examiner	Art Unit	
	TUAN A PHAM	2643	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 22 November 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5 and 7-12 is/are rejected.
- 7) ☒ Claim(s) 6 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Arguments

1. Applicant's arguments, see Applicant's remark, filed on 11/22/04, with respect to the rejection(s) of claim(s) 1-12 under 103(a) have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made of Van der Salm (US Patent No.: 6,343,220) and in view of Dimenstein et al. (Pub.No.: US 2002/0086703).

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. **Claims 1-5, and 7-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Van der Salm (US Patent No.: 6,343,220) in view of Dimenstein et al. (Pub.No.: US 2002/0086703).**

Regarding claim 1, Van Der Salm teaches a telephone docking station (i.e., multi-mode terminal unit) for coupling signals among a wireless telephone, a cordless telephone handset and a metallic telephone line (see figure 4, comprising:

a multiple port telephone switch (see figure 2, switch 22);

a wireless telephone interface adapted to receive the wireless telephone and to couple wireless signals with a first port on the switch (see figure 4, interface 18, cellular 26, control mean 21, figure 2, switch 22, col.5, ln.1-59);

a cordless telephone base unit having a radio transceiver adapted to communicate with the cordless telephone handset and adapted to couple cordless signals with a second port on the switch (see figure 4, interface 20, cordless 27, radio transceiver 24, figure 2, switch 22, col.5, ln.1-59);

a telephone line interface adapted to interface with the metallic telephone line and to couple line signals with a third port on the switch (see figure 4, interface 17, figure 2, switch 22, col.5, ln.1-59); and

a controller coupled to the output, and coupled to control the switch to connect the first port or the second port to the third port as a function of the state of the output (see figure 4, controller mean 21, col.5, ln.1-59).

It should be noticed that Van Der Salm fails to teach the output state indicative of the presence of the wireless mobile computing device. However, Diemenstein teaches such feature (see figure 2, MCD 109, LRD 118, col.3, [0034-0036]).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the teaching of Diemenstein into view of Van Der Salm in order to save cost and space for integrating the docking station containing cordless and wireless telephone.

Regarding claim 2, Van Der Salm further teaches the apparatus wherein the controller controls the switch to connect the first port to the second port if the output

state indicates that the wireless telephone is present (see figure 4, control mean 21, col.5, ln.26-40).

Regarding claim 3, Dimenstein further teaches the apparatus further comprising: an actuator (i.e., phone button) coupled to the controller, and wherein the controller controls the switch to connect either of the first port or the third port to the second the in accordance with actuation of the actuator (see col.2, [0026]).

Regarding claim 4, Dimenstein further teaches the apparatus further comprising: a display indicator for indicating which of the ports are connected in the switch, and wherein the controller is coupled to drive the display indicator in accordance with the current connection state of the switch (see col.3, [0034-0036]).

Regarding claim 5, Van Der Salm further teaches the apparatus further comprising: a cordless handset operable to communicate data signals with the cordless telephone base unit, the cordless handset having an actuator and operable to encode a control signal in the data signals in response to actuation of the actuator, and wherein the radio transceiver is coupled to receive the control signal from the cordless handset and operable to communicate said control signal to the controller, and wherein the controller controls the switch to connect either of the first port or the third port to the second port in accordance with the control signal (see figure 4, cordless 27, radio base station 24, control mean 21, col.5, ln.1-59).

Regarding claim 7, Dimenstein further teaches the apparatus further comprising: a display disposed within said cordless handset having a Caller ID display portion and a call indicator for indicating the source of a telephone call, and wherein

said controller is operable to receive Caller ID data from either of said wireless telephone interface adapter or said telephone line interface, and operable to couple said Caller ID data together with data indicative of the source of said Caller ID data to said cordless telephone base unit for communications thereof to said cordless handset for display of said Caller ID data on said display and for activation of said call indicator indicative of the source of said Caller ID data (see col.2, [0027]).

Regarding claim 8, Van Der Salm further teaches a second actuator disposed upon said cordless handset for answering an incoming call, and wherein actuation of said second actuator causes said cordless handset to communicate a answer signal to said cordless telephone base unit that couples said answer signal to said controller, and wherein said controller is operable to cause said multiple port switch to coupled to presently ringing one of said wireless telephone interface or said telephone line interface to said second port in response to said answer signal (e.g., inherently the cordless handset should comprise a key for answering an incoming call, figure 4, control mean 21, col.5, ln.19-59).

4. Claim 9 is rejected under 35 U.S.C. 103(a) as being unpatentable over Van Der Salm (US Patent No.: 6,343,220) in view of Dimenstein et al. (Pub.No.: US 2002/0086703) as applied to claim 1 above, and further in view of Karpus et al. (U.S. Patent No.: 5,884,191, hereinafter, "Karpus").

Regarding claim 9, Van Der Salm and Dimenstein, in combination, fails to clearly teaches a speakerphone adapted to couple speakerphone signals with a fourth

port on said switch; an actuator coupled to said controller for selecting a speakerphone function, and wherein selection of said speakerphone function causes said controller to control said switch to connect said fourth port in place of said second port, thereby connecting the presently connected one of said wireless signals or said line signals to said speakerphone signals. However, Karpus teaches such features (see figure 2, control switch 310, speakerphone 170, col.3, ln.42-67).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the teaching of Karpus, into view of Van Der Salm and Dimenstein in order to allow for hands-free operation.

5. Claims 10-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Van Der Salm (US Patent No.: 6,343,220) in view of Dimenstein et al. (Pub.No.: US 2002/0086703) as applied to claim 1 above, and further in view of Lilja et al. (U.S. Patent No.: 5,991,640, hereinafter, "Lilja").

Regarding claim 10, Van Der Salm and Dimenstein, in combination, fails to clearly teaches an answering machine adapted to couple answering machine signals with a fourth port on said switch, and wherein said controller is operable to control said switch to connect either of said first port or said third port to said fourth port upon receipt of an answering machine command identifying which of said first of third ports are to be coupled to said fourth port. However, Lilja teaches such features (see figure 3, figure 4, col.2, ln.15-28, col.3, ln.30-67).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the teaching of Lilja, into view of Van Der Salm and Dimenstein in order to answer the incoming calls.

Regarding claim 11, Lilja further teaches controller is operable to produce said answering machine command indicating that said first port is to be coupled to said fourth port if said cordless telephone base unit is presently engaged in a telephone call (see col.2, ln.15-28, col.3, ln.40-50, col.4, ln.48-65).

Regarding claim 12, Lilja further teaches controller is operable to produce said answering machine command indicating that said third port is to be coupled to said fourth port if said wireless telephone interface is presently engaged in a telephone call (see col.2, ln.15-28, col.3, ln.40-50, col.4, ln.48-65).

Allowable Subject Matter

6. Claim 6 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. In order to expedite the prosecution of this application, the applicants are also requested to consider the following references. Although Johnson et al. (U.S. Patent No. 6,556,826), Jadoul (U.S. Patent No. 6,240,297), and Fintel (U.S.

Patent No. 6,704,580) are not applied into this Office Action; they are also called to Applicants attention. They may be used in future Office Action(s).

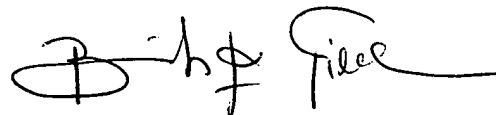
8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Tuan A. Pham** whose telephone number is (571) 272-8097. The examiner can normally be reached on Monday through Friday, 8:00 AM-5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Curtis Kuntz can be reached on (571) 272-7499.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have question on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Art Unit 2643
March 29, 2005
Examiner

Tuan Pham

A handwritten signature in black ink, appearing to read "Binh Tieu", with a stylized flourish at the end.

**BINH TIEU
PRIMARY EXAMINER**